



US00D813912S

(12) **United States Design Patent** (10) **Patent No.:** **US D813,912 S**
Balamohan et al. (45) **Date of Patent:** **** Mar. 27, 2018**

(54) **RECIPROCATING GAS COMPRESSOR VALVE**

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(**) Term: **15 Years**

(21) Appl. No.: **29/543,537**

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(51) **LOC (11) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/9**

(58) **Field of Classification Search**
USPC D23/233, 235, 241, 247, 248, 249;
123/90.15, 188.5, 190.14, 445, 200,
123/90.17, 193.4; 417/273, 411, 564;
D15/5, 9, 9.1, 9.2, 9.3; 29/888.012,
(Continued)

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(57) **CLAIM**

We claim the ornamental design for the reciprocating gas compressor valve, as shown and described.

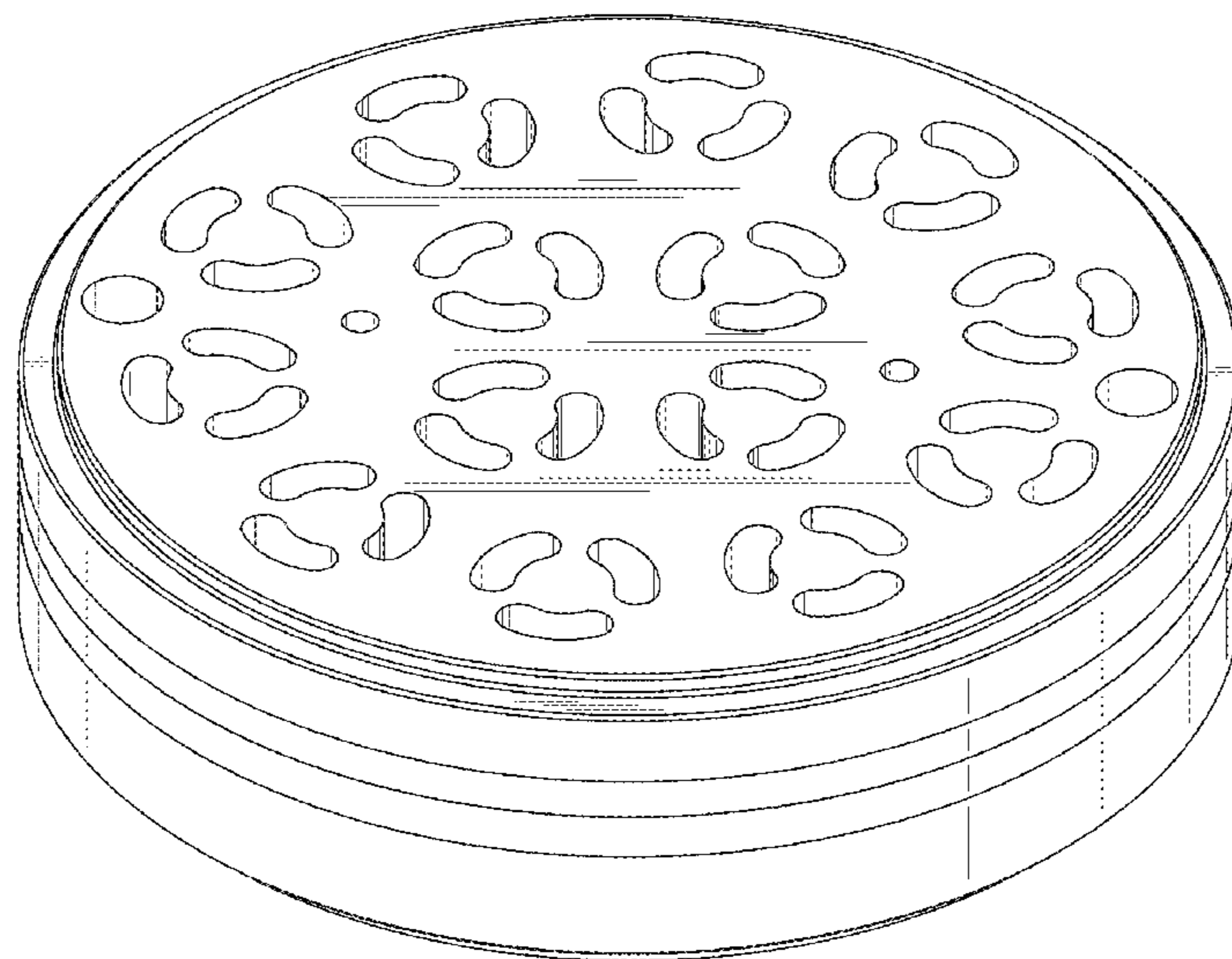
DESCRIPTION

FIG. 1 is an overall perspective view of the reciprocating gas compressor valve showing our new design;
 FIG. 2 is an overall exploded perspective view thereof;
 FIG. 3 is an overall top view thereof;
 FIG. 4 is an overall bottom view thereof;
 FIG. 5 is an overall side view thereof;
 FIG. 6 is a cross-sectional view of FIG. 3;
 FIG. 7 is a top view of the seat of the reciprocating gas compressor valve of FIG. 1;
 FIG. 8 is a side elevational view thereof;
 FIG. 9 is a bottom view of thereof;
 FIG. 10 is a top view of the cartridge plate of the reciprocating gas compressor valve of FIG. 1;
 FIG. 11 is a side elevational view thereof;
 FIG. 12 is a bottom view of thereof;
 FIG. 13 is a top of an embodiment of a sealing element used in the reciprocating gas compressor valve of FIG. 1;
 FIG. 14 is a side elevational view thereof;
 FIG. 15 is a bottom view thereof;
 FIG. 16 is an overall perspective view of the spacer ring of the reciprocating gas compressor valve of FIG. 1;
 FIG. 17 is a top view and a bottom view thereof;
 FIG. 18 is a side elevational view thereof;
 FIG. 19 is a top view of the guard of the reciprocating gas compressor valve of FIG. 1;
 FIG. 20 is a side view thereof; and,
 FIG. 21 is a bottom view thereof.

The elements that comprise the reciprocating gas compression valve are being shown separately in some of the Figures for convenience of illustration.

The broken lines in the drawings are included for the purpose of illustrating portions of the reciprocating gas compressor valve and form no part of the claimed design.

1 Claim, 15 Drawing Sheets



(58) **Field of Classification Search**

USPC 29/890.124, 890.126; 92/187, 208;
137/512.1, 516.11, 327, 329.04, 516.23
CPC F04B 39/1033; F04B 39/1053
See application file for complete search history.

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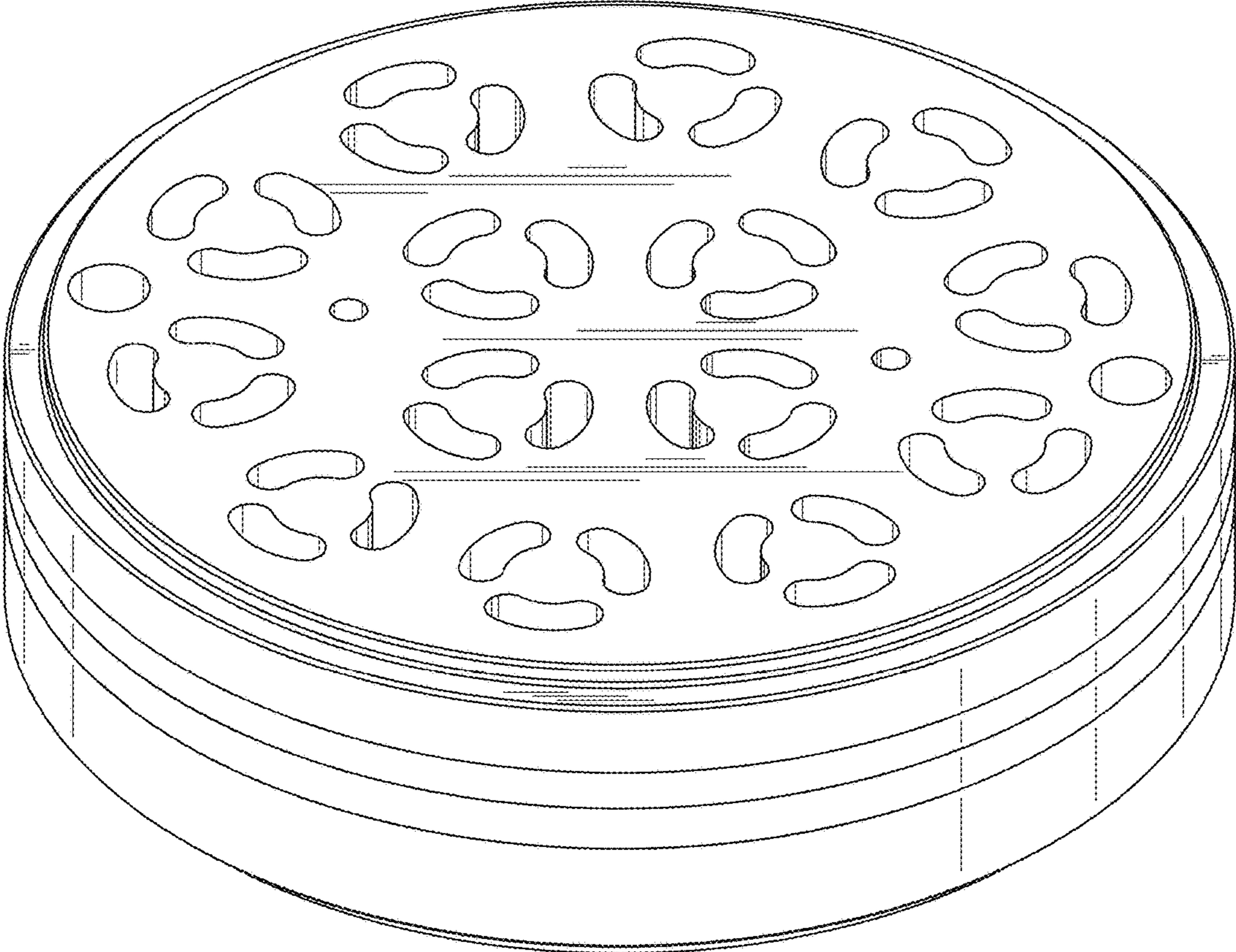
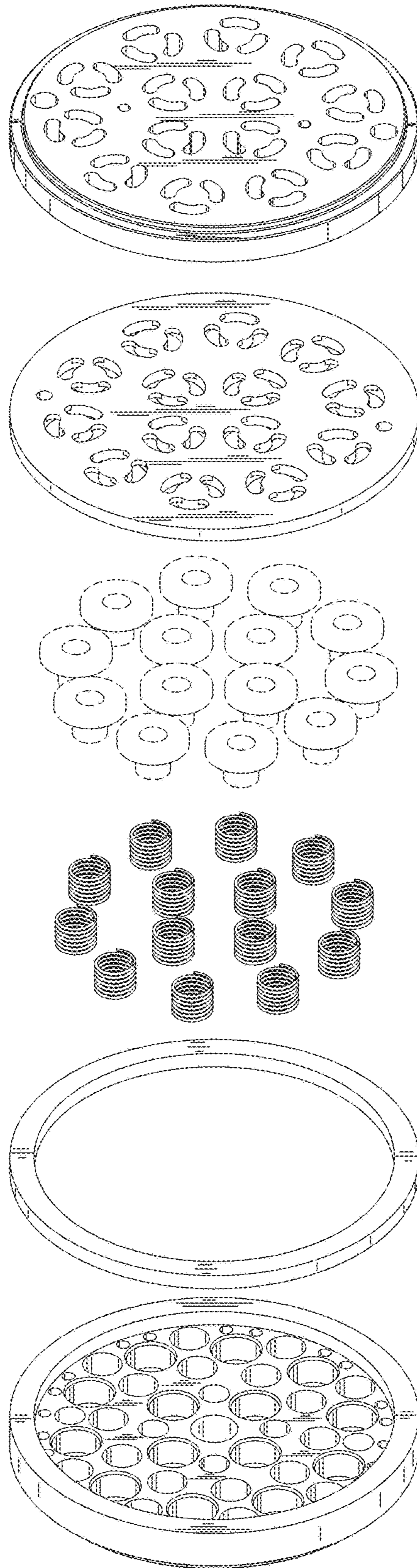


FIG. 1

FIG. 2



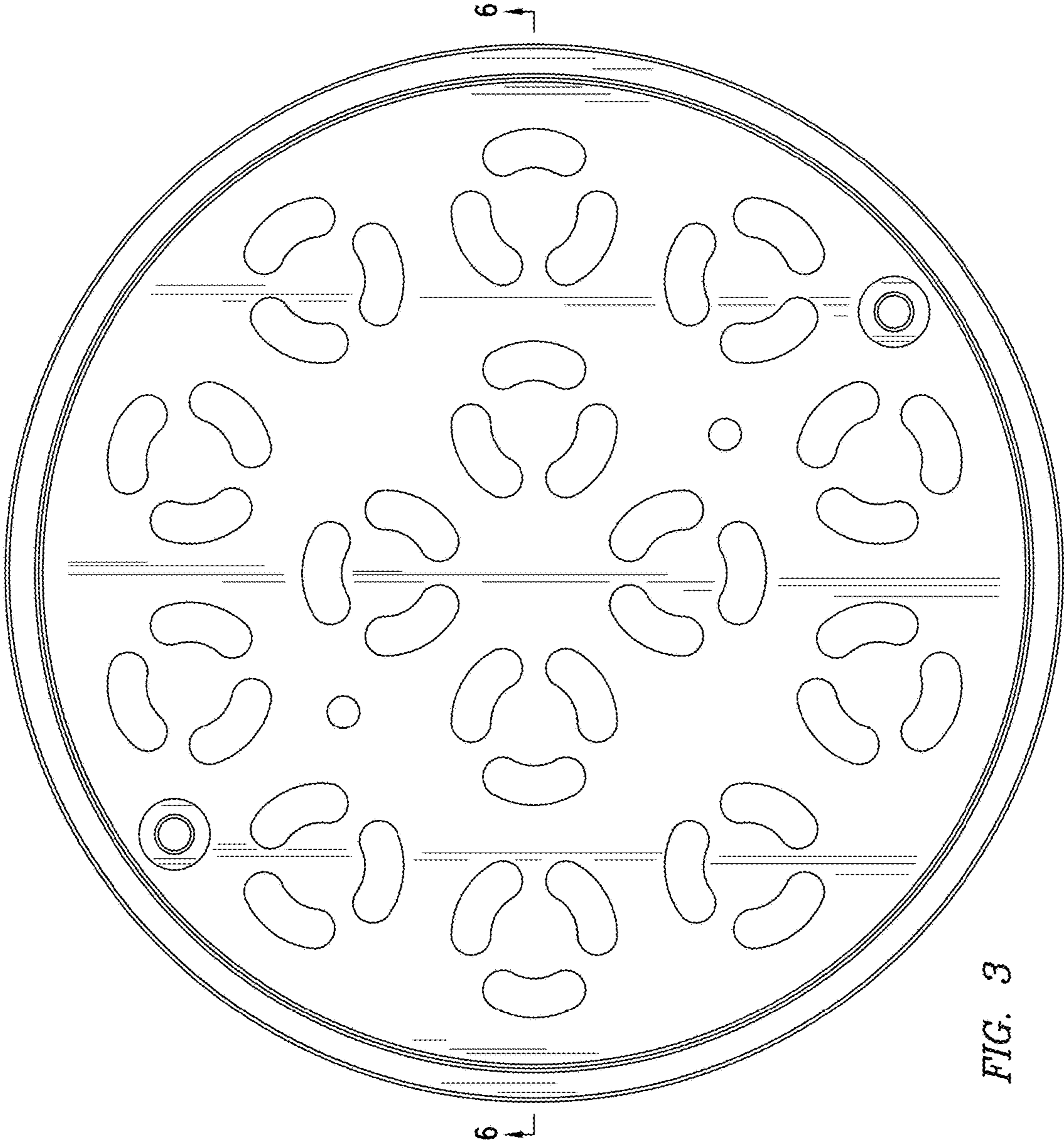


FIG. 3

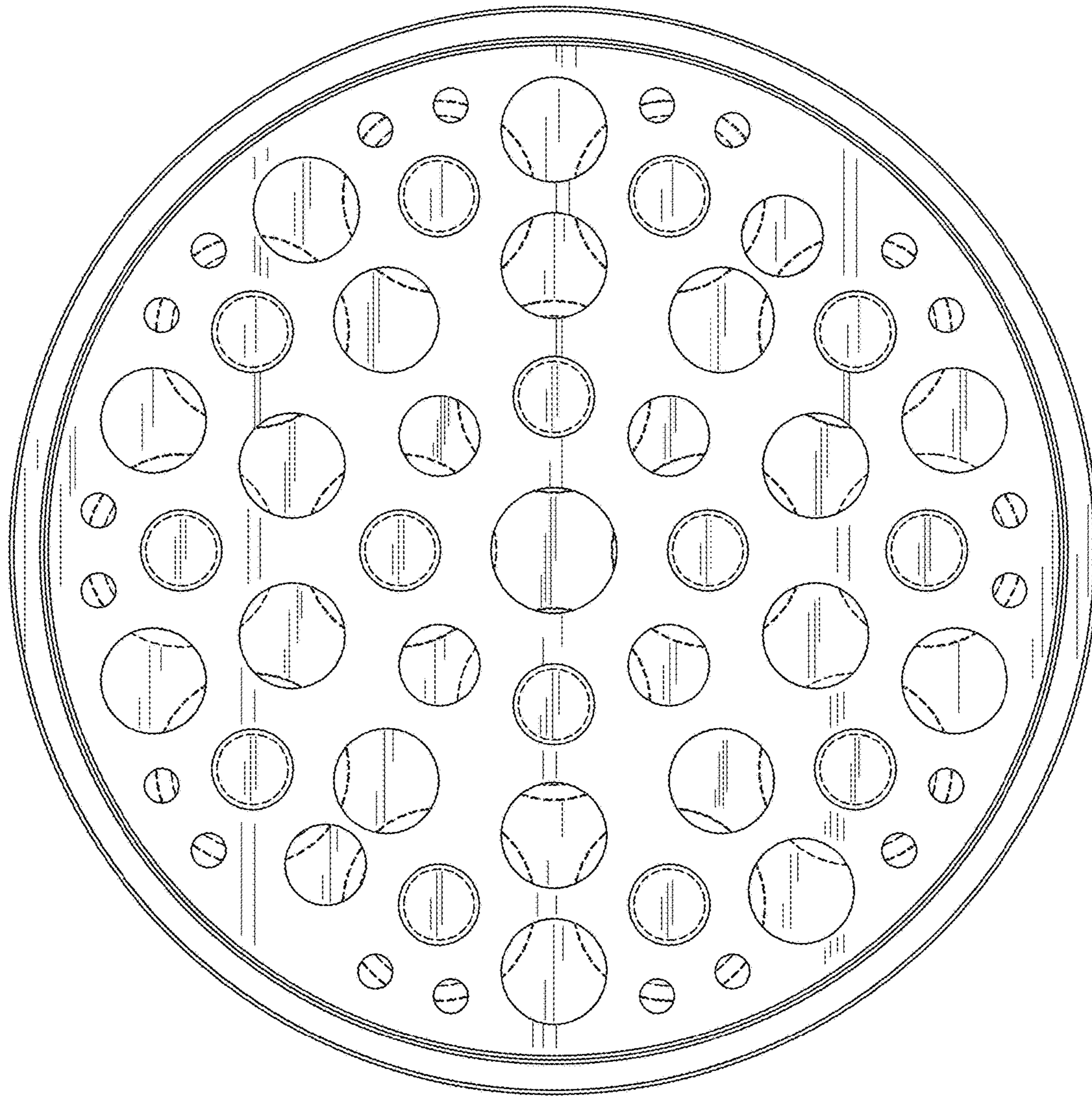


FIG. 4

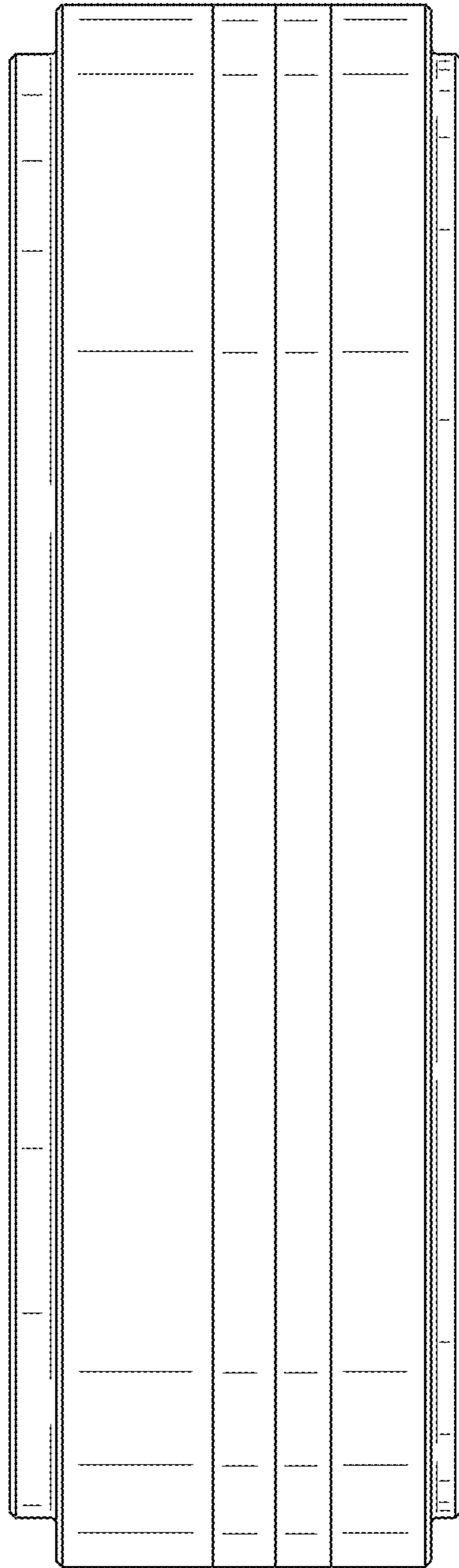


FIG. 5

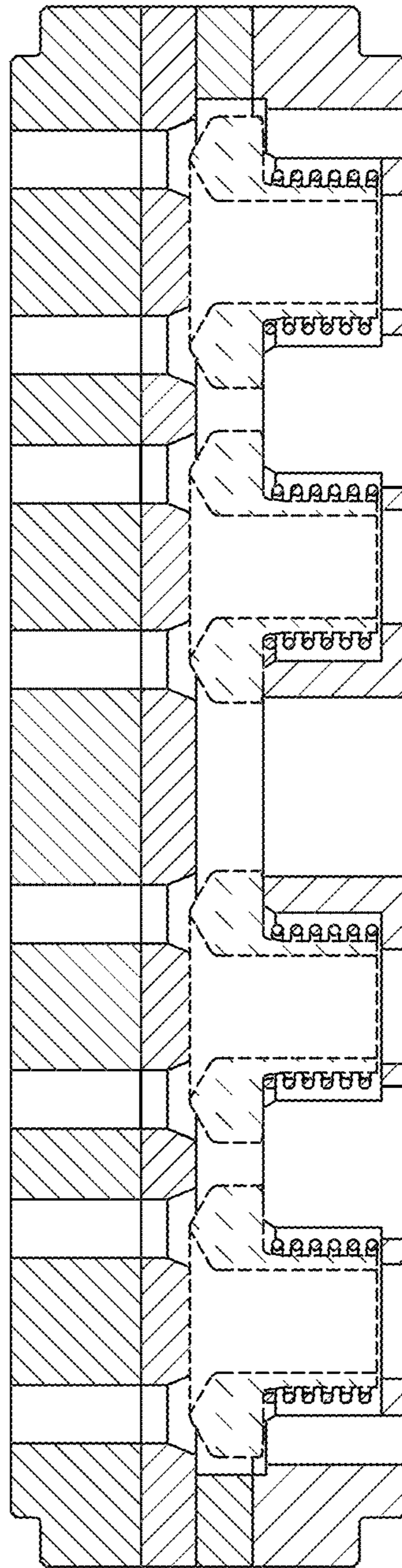


FIG. 6

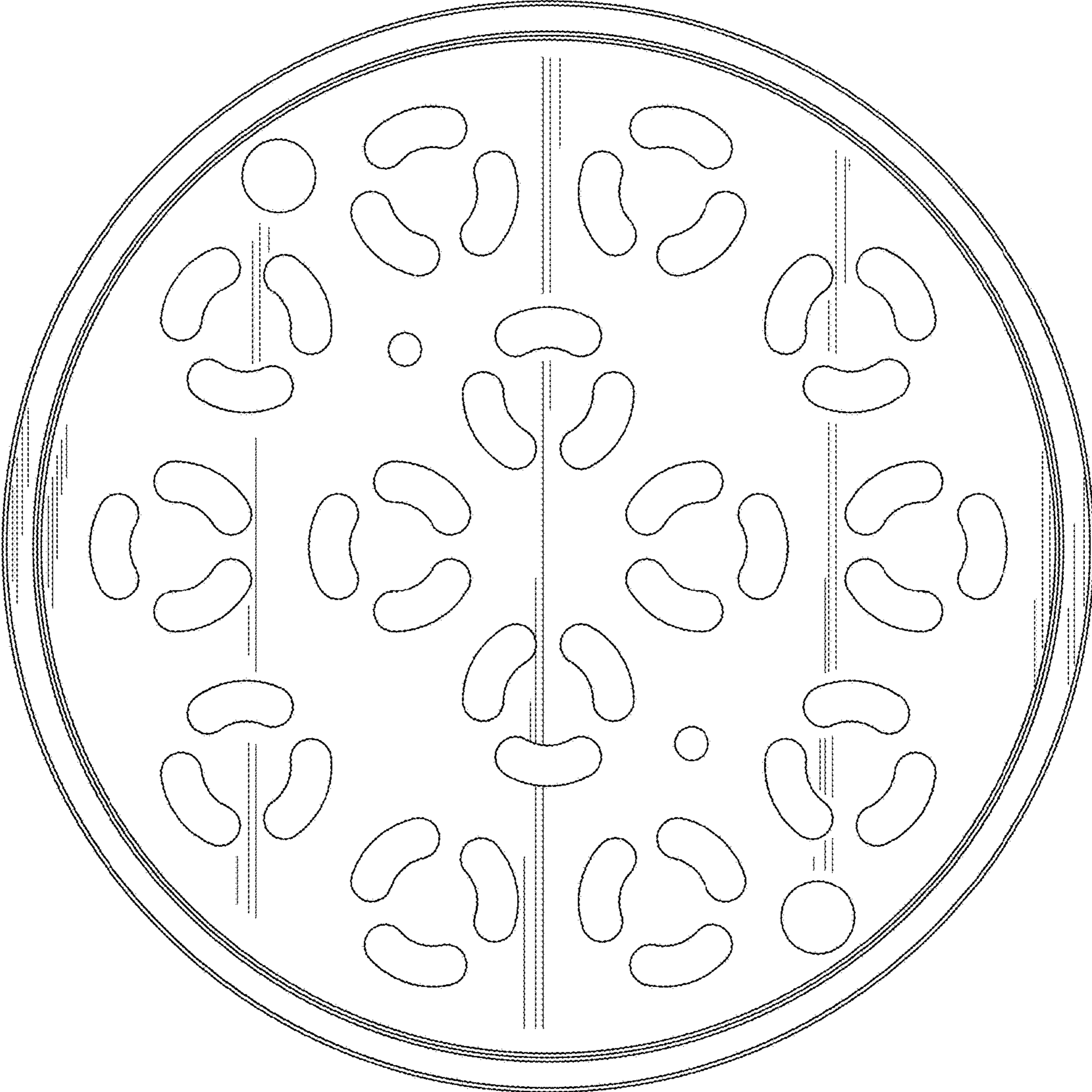


FIG. 7

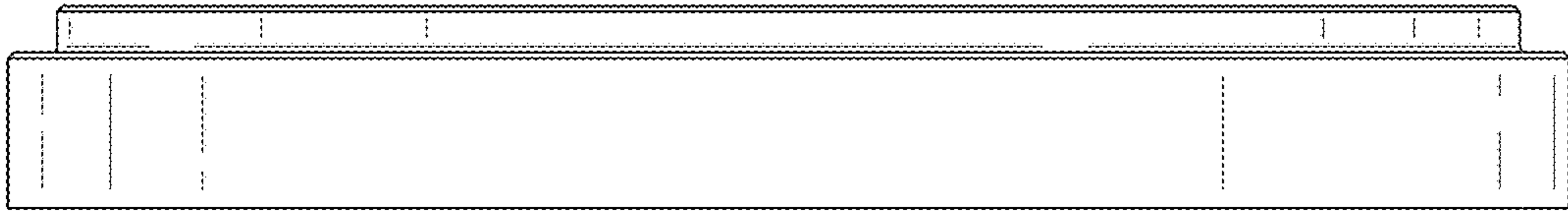


FIG. 8

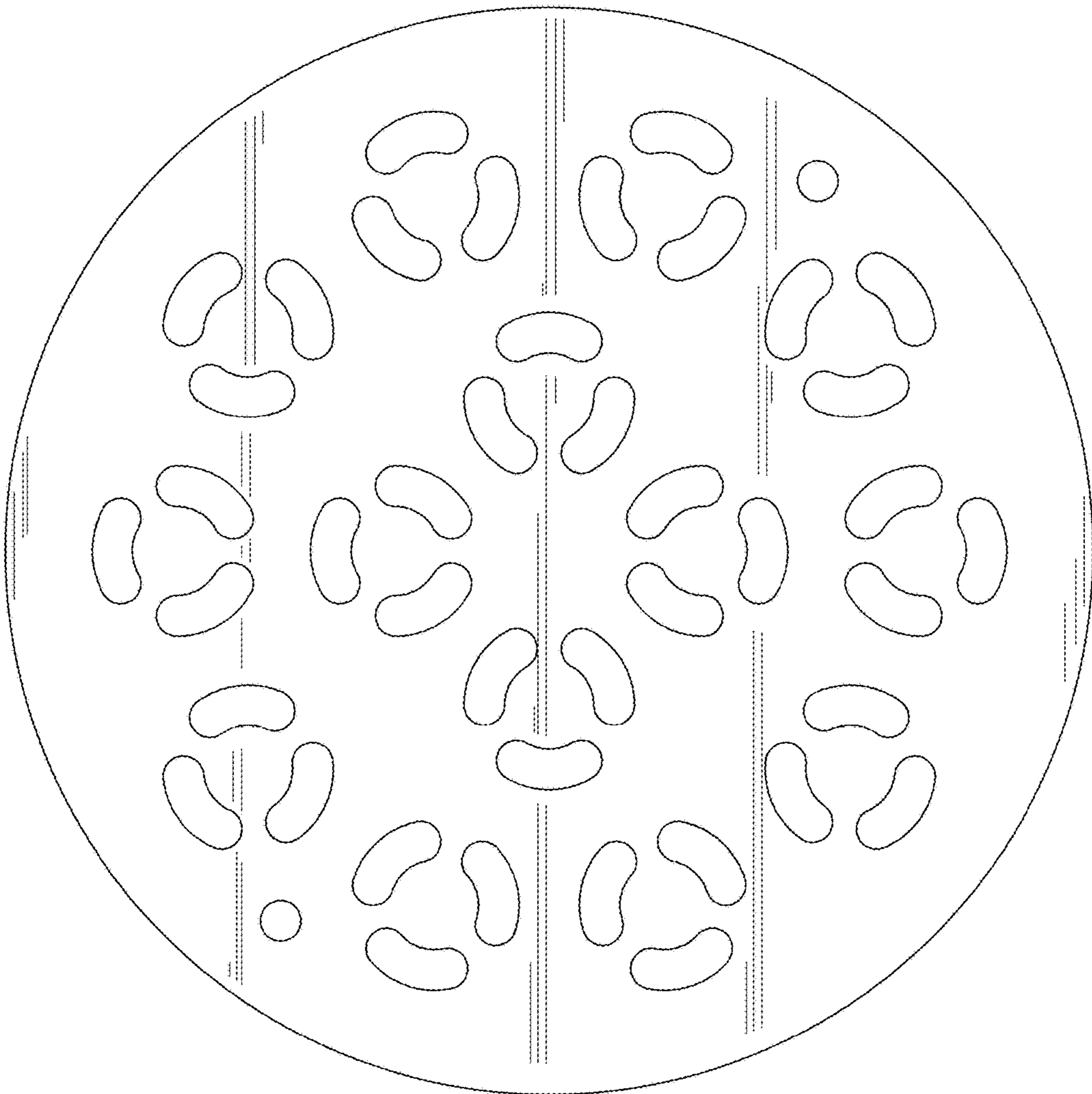


FIG. 9

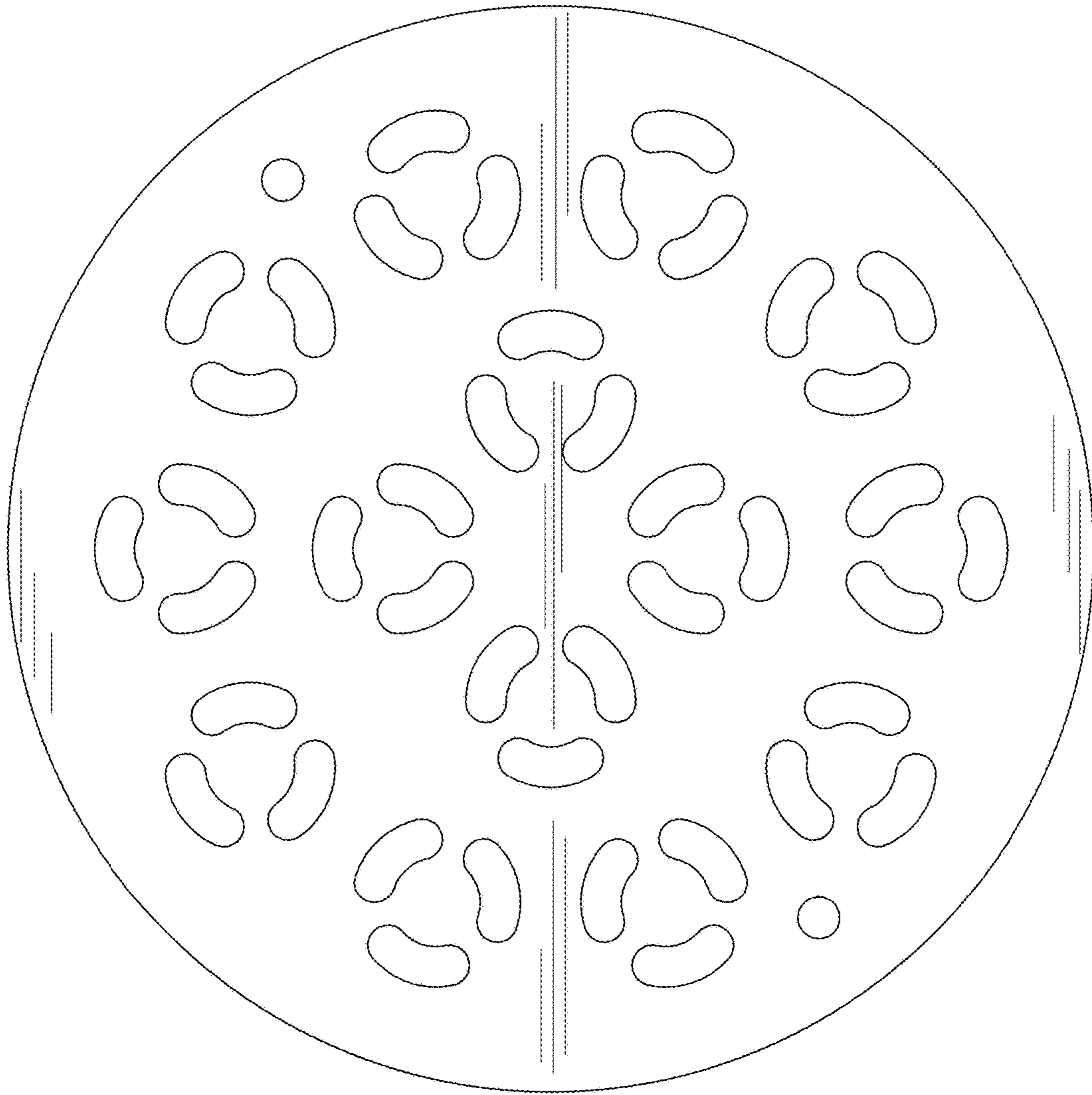


FIG. 10



FIG. 11

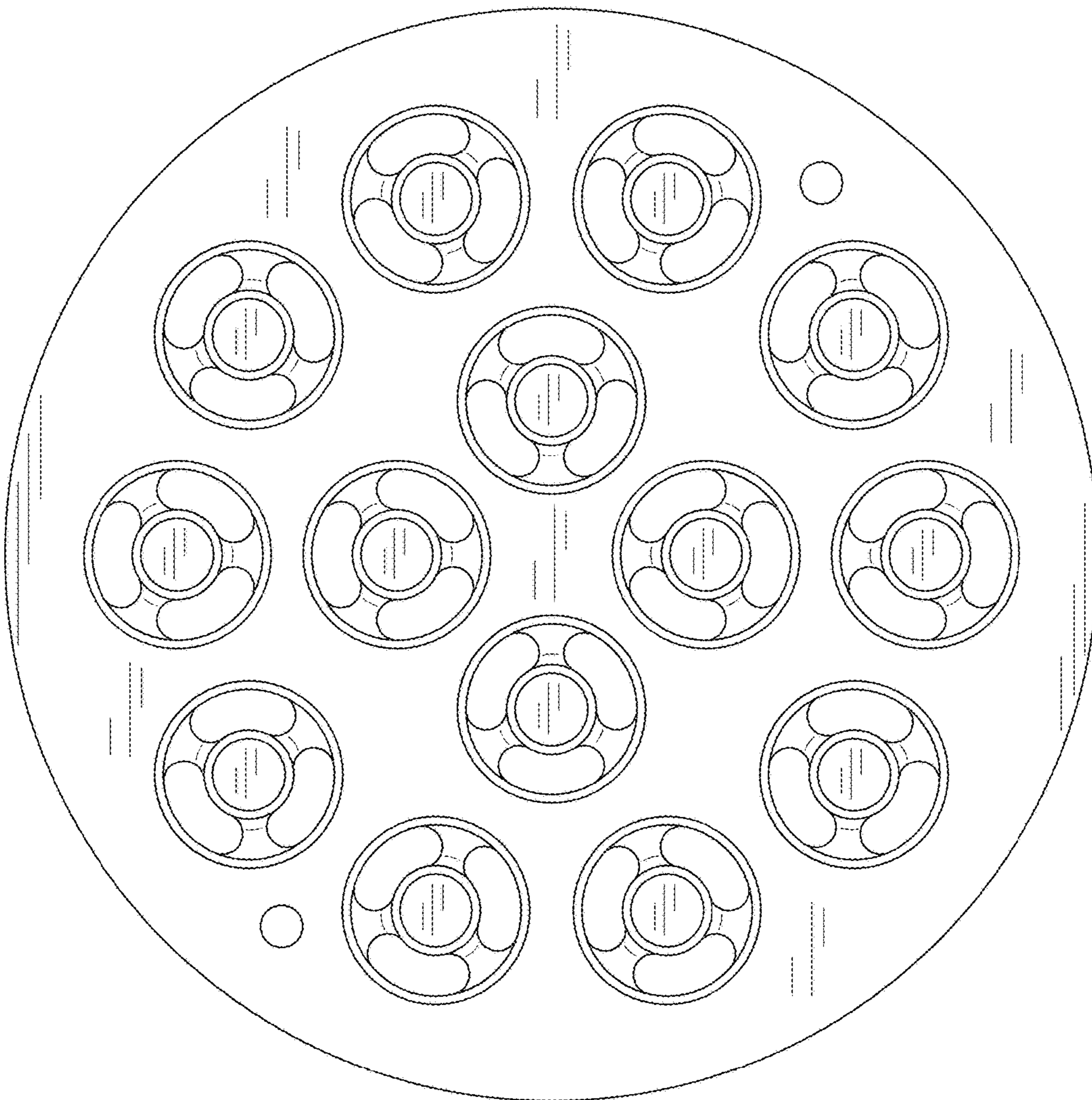


FIG. 12

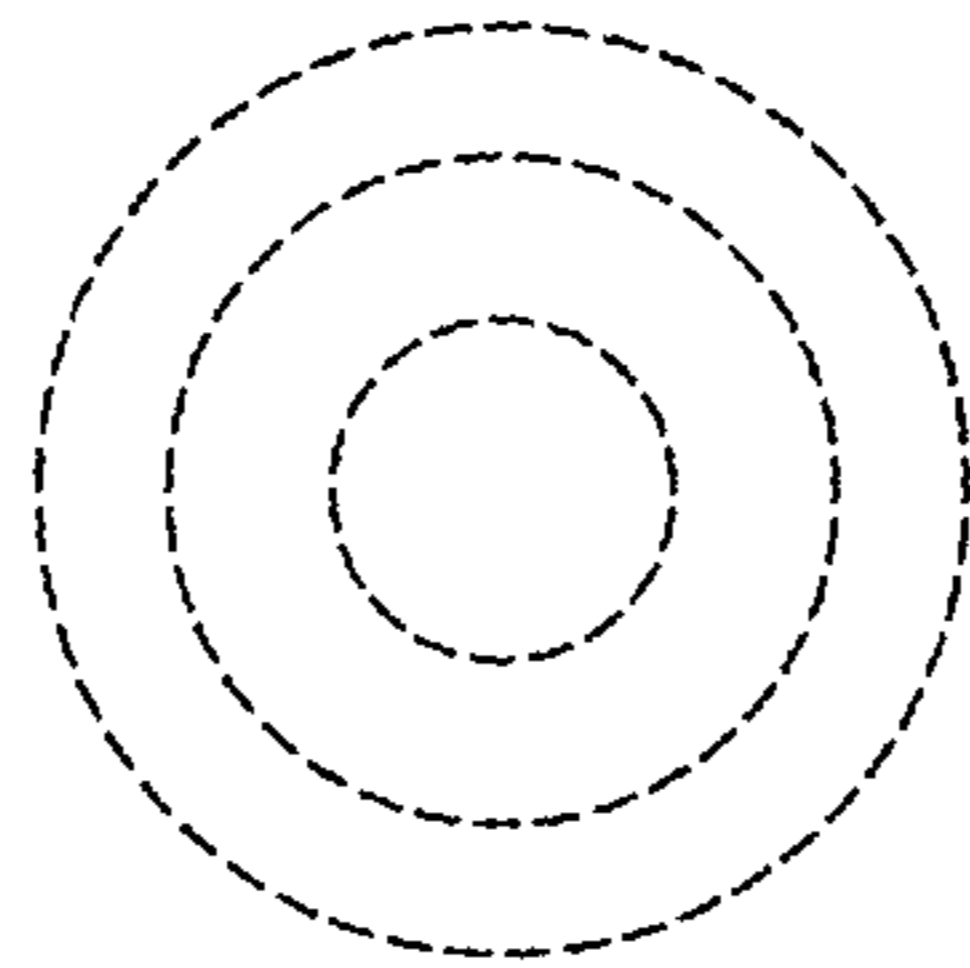


FIG. 13

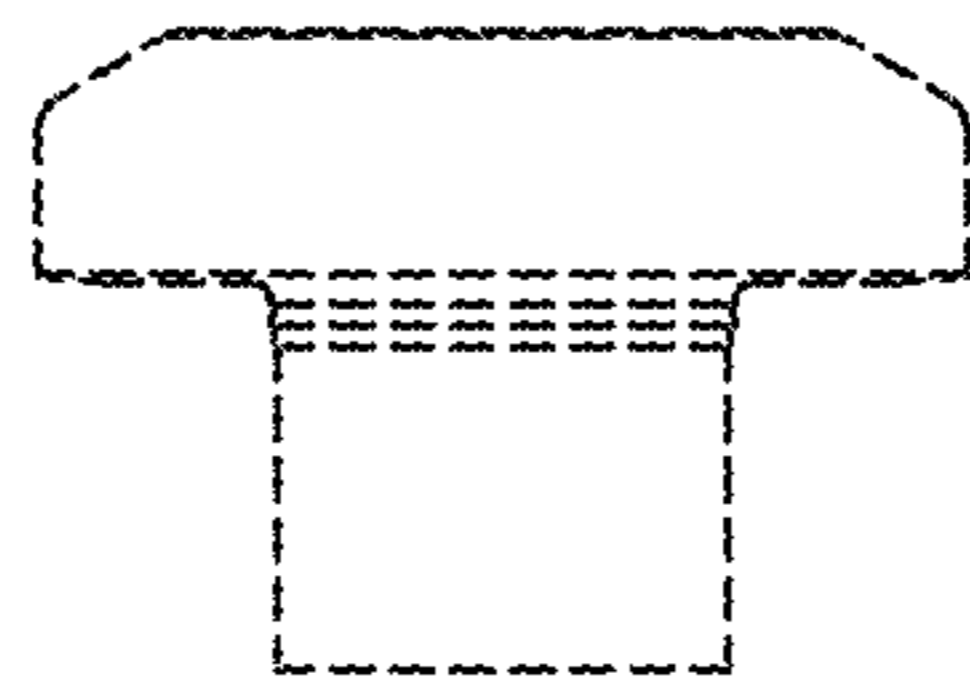


FIG. 14

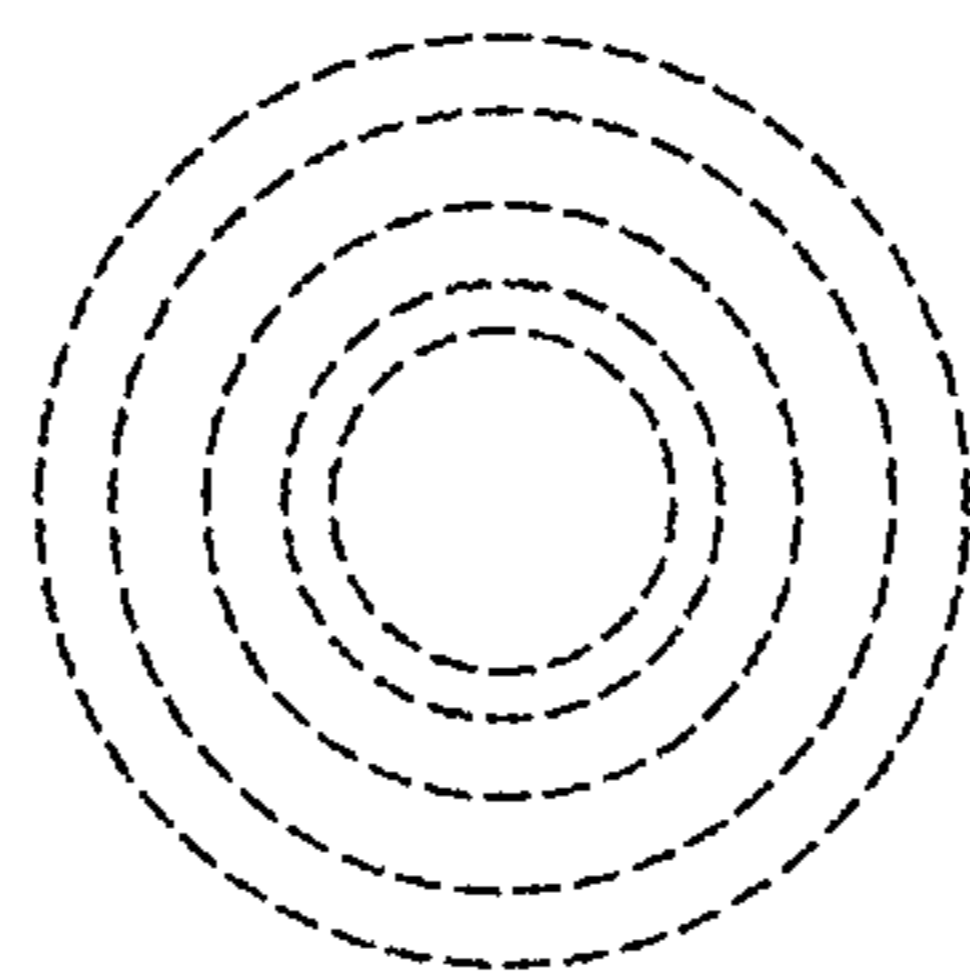


FIG. 15

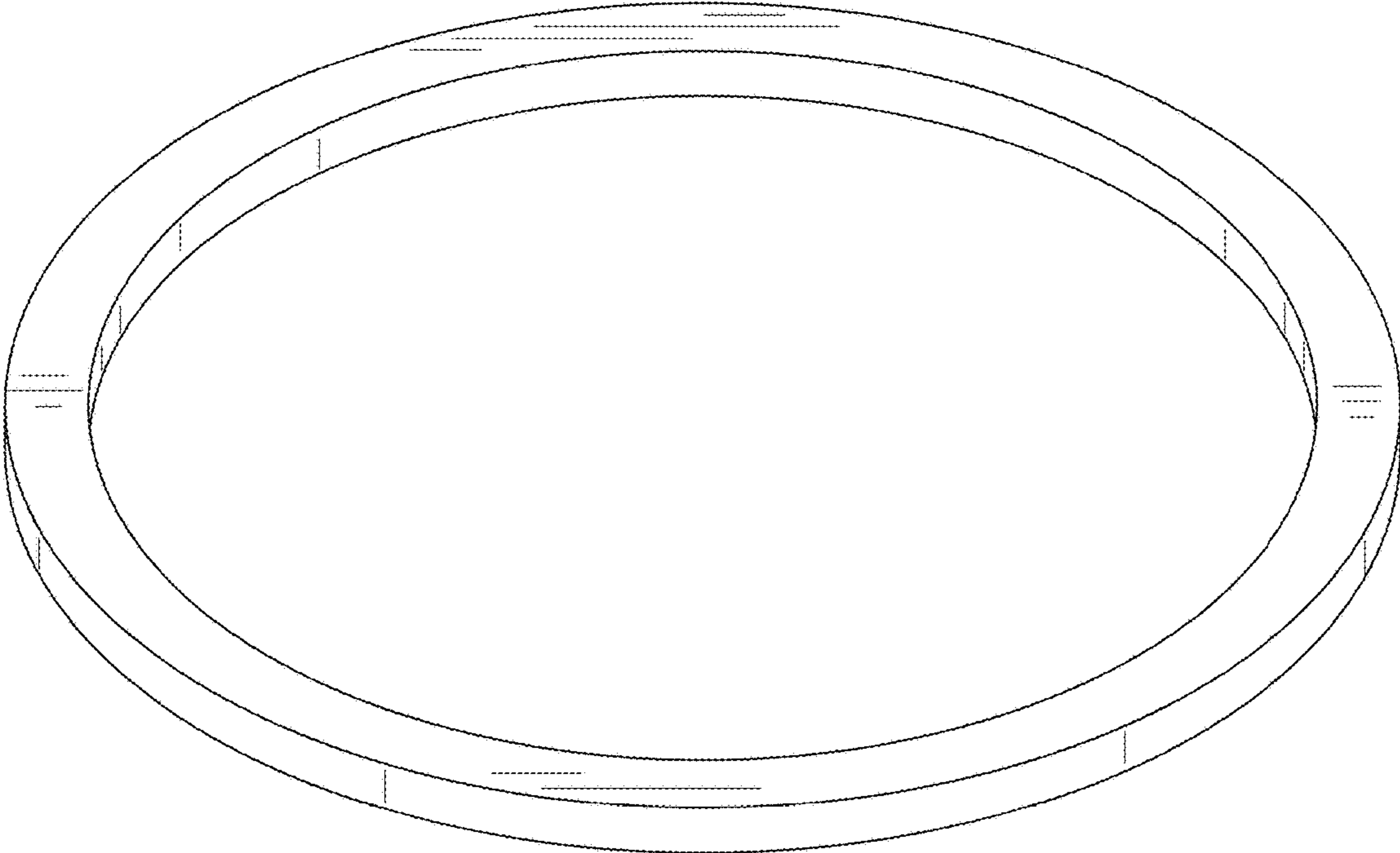


FIG. 16

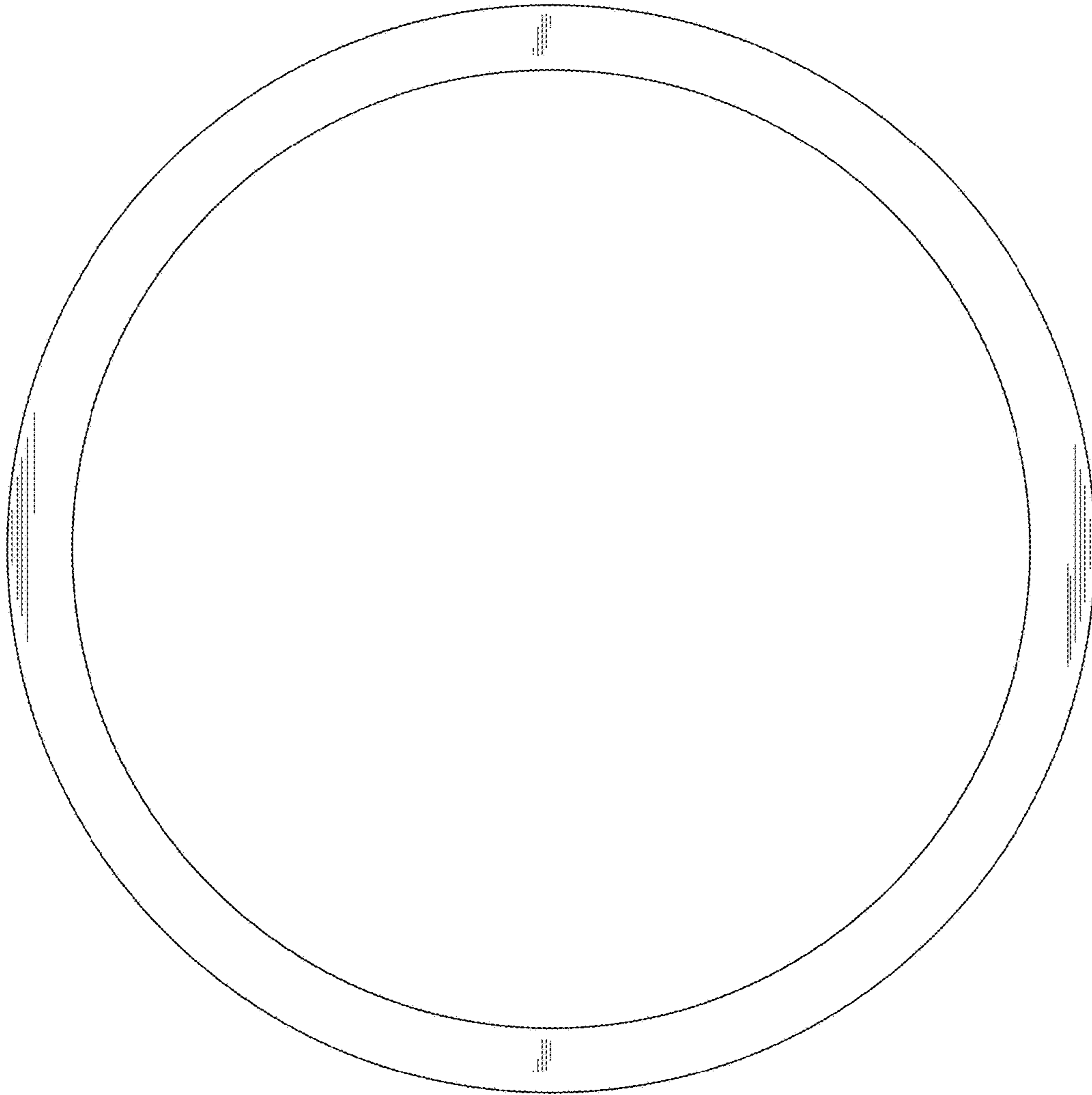


FIG. 17

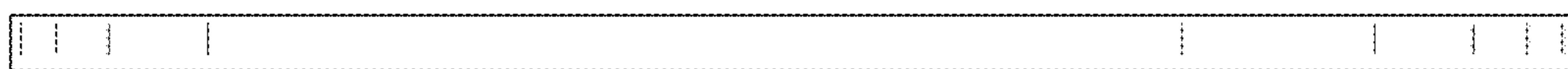


FIG. 18

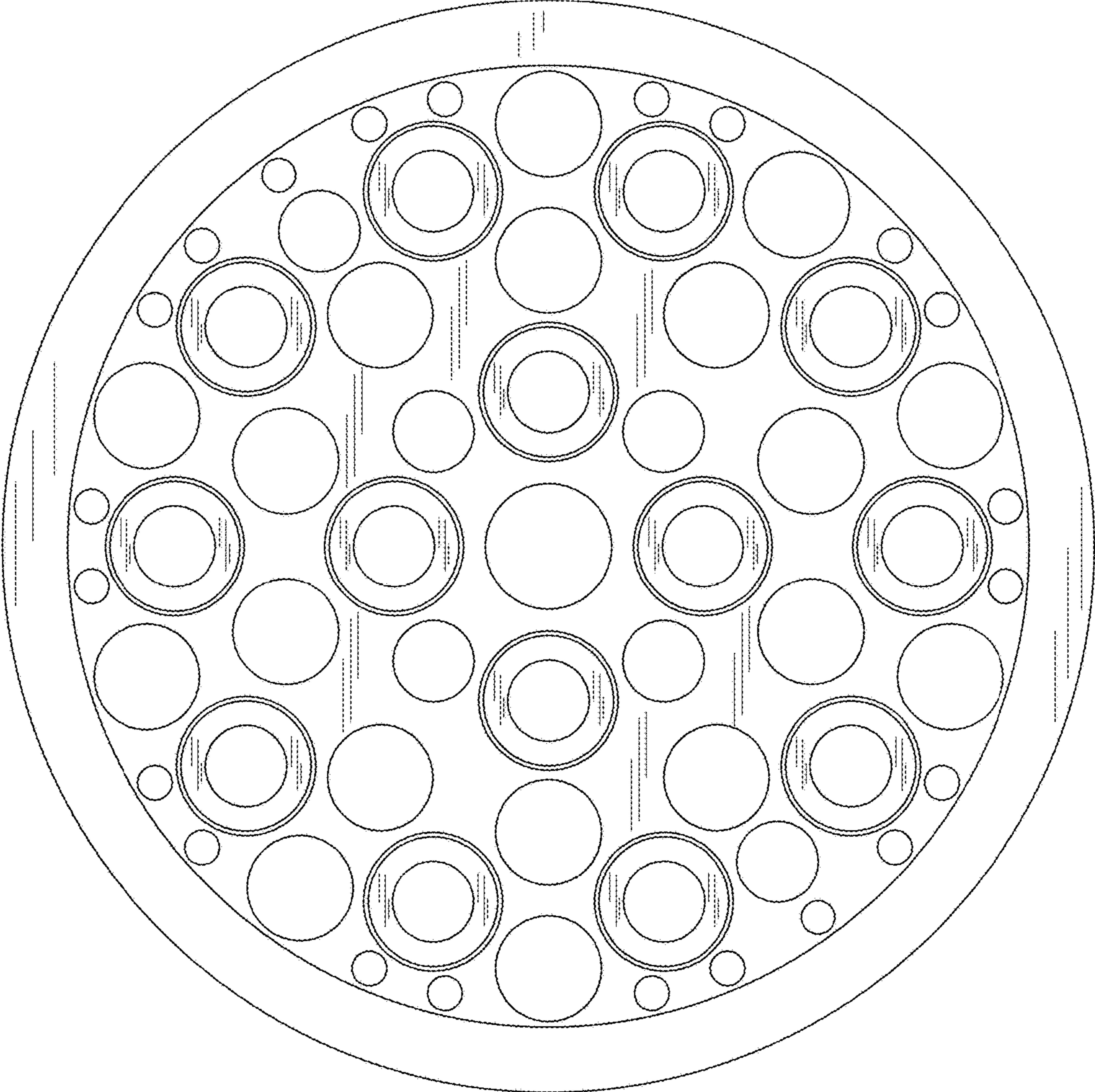


FIG. 19



FIG. 20

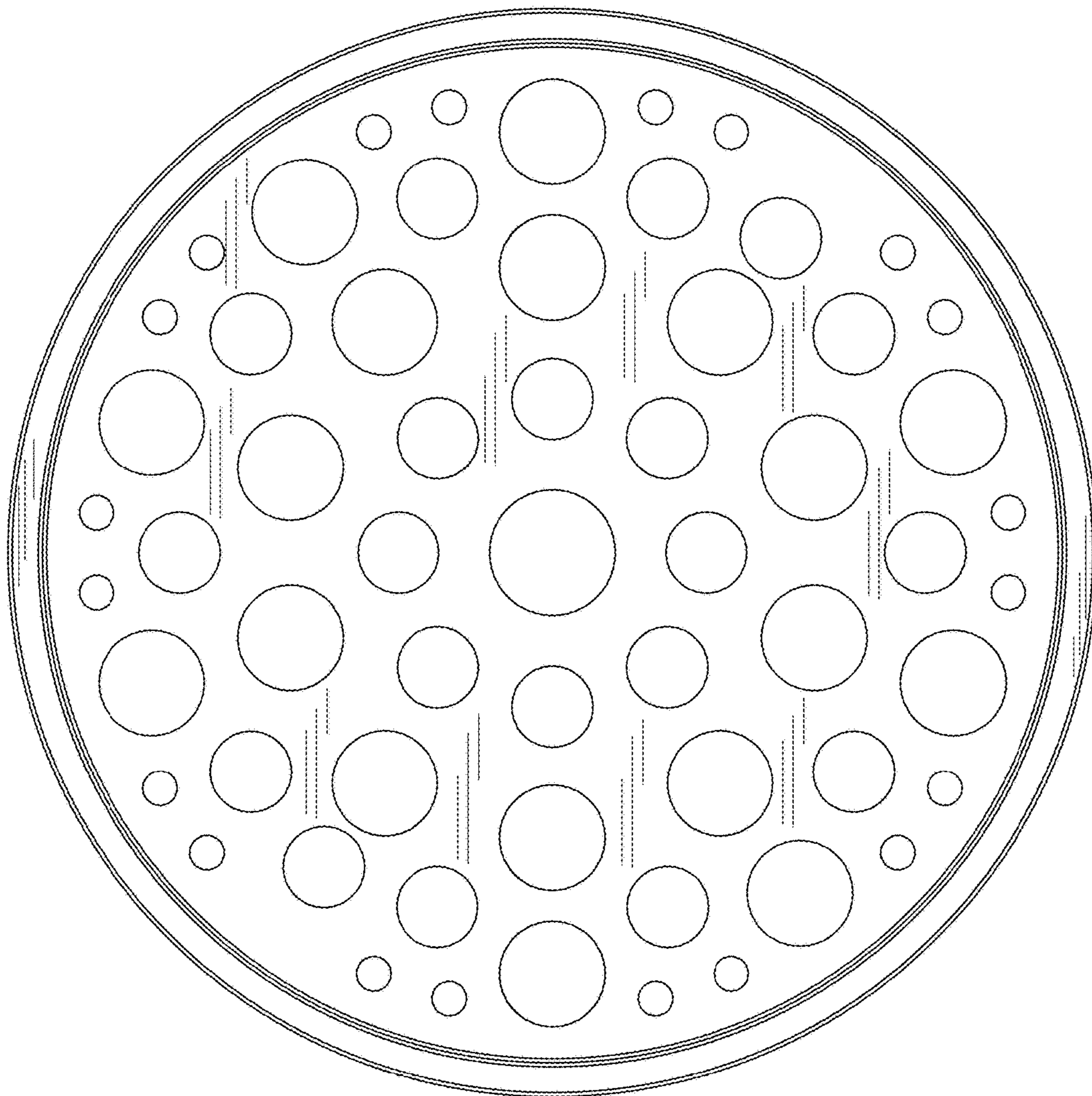


FIG. 21